

AN ELECTRONIC SYNTHESIZED STEELPAN DRUM

ABSTRACT OF THE DISCLOSURE

An electronic synthesized steelpan drum resembling a conventional steelpan drum and featuring the same shallow cylindrical shape with a sunken concave playing surface. The steelpan drum includes a central processor chip and associated memory chips for providing a variety of synthesized steelpan and a full range of musical, orchestral, and symphonic instrumental sounds, including tenor, double-seconds, guitar, cello, quadraphonic, tenor-bass, and bass steel drums. The concave playing surface is comprised of a series of rubber striking pad areas, which can be arranged in a conventional or other unique pattern typical of a tenor pan.

The striking pad areas will be played with a pair of pansticks. Attached under each pad is a pressure sensor, which will detect the amount of force applied when a pannist strikes a pad and provide a signal to the central processor for controlling the synthesized sound. The steelpan has various control functions including speakers, volume control, function selection buttons, and a control display panel.